

ABSTRACT OF THE DISCLOSURE

The present invention is a method and system to support debug. A function is re-compiled when a field watch for a field is activated. The function includes a byte code sequence having a field byte code that accesses or modifies the field. The re-compiled function provides a native code and occupies a code space. An instrumentation code corresponding to the field watch of the field is generated. The instrumentation code is inserted to the native code.

1. A method for supporting debug, comprising:
re-compiling a function when a field watch for a field is activated, the function including a byte code sequence having a field byte code that accesses or modifies the field, the re-compiling providing a native code and occupying a code space;
generating an instrumentation code corresponding to the field watch of the field;
inserting the instrumentation code to the native code.